

PRODUCTION OF EXCIPIENT FOR DIRECT TABLETING

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Inventeur : INAGAKI MITSUJI; others: 03
Déposant :: FUJI KAGAKU KOGYO KK
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PURPOSE: To obtain an excipient for direct tableting, having improved molding properties, by spray-drying an aqueous solution of D-mannitol in a specific temperature range.

CONSTITUTION: An aqueous solution of D-mannitol is spray-dried at 120-140 deg.C exhaust heat temperature, to give an excipient for direct tableting. If a water-soluble excipient for direct tableting not losing characteristics of D-mannitol, namely, good pleasantness to the palate, cooling sweetness, nonabsorption properties, high melting point, improved stability, no blending inhibition with main agent, having improved fluidity, disintegration properties, and moldability is obtained, it has small variability of organism utility ratio of main drug caused by an additional matter of pharmaceutical preparation, and analysis of pharmaceutical preparation can be carried out easily. The spray drying under the condition provides moldability which D-mannitol powder on the market does not have, to provide the excipient for direct tableting consisting of D-mannitol granule, having more improved fluidity and disintegration properties.

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